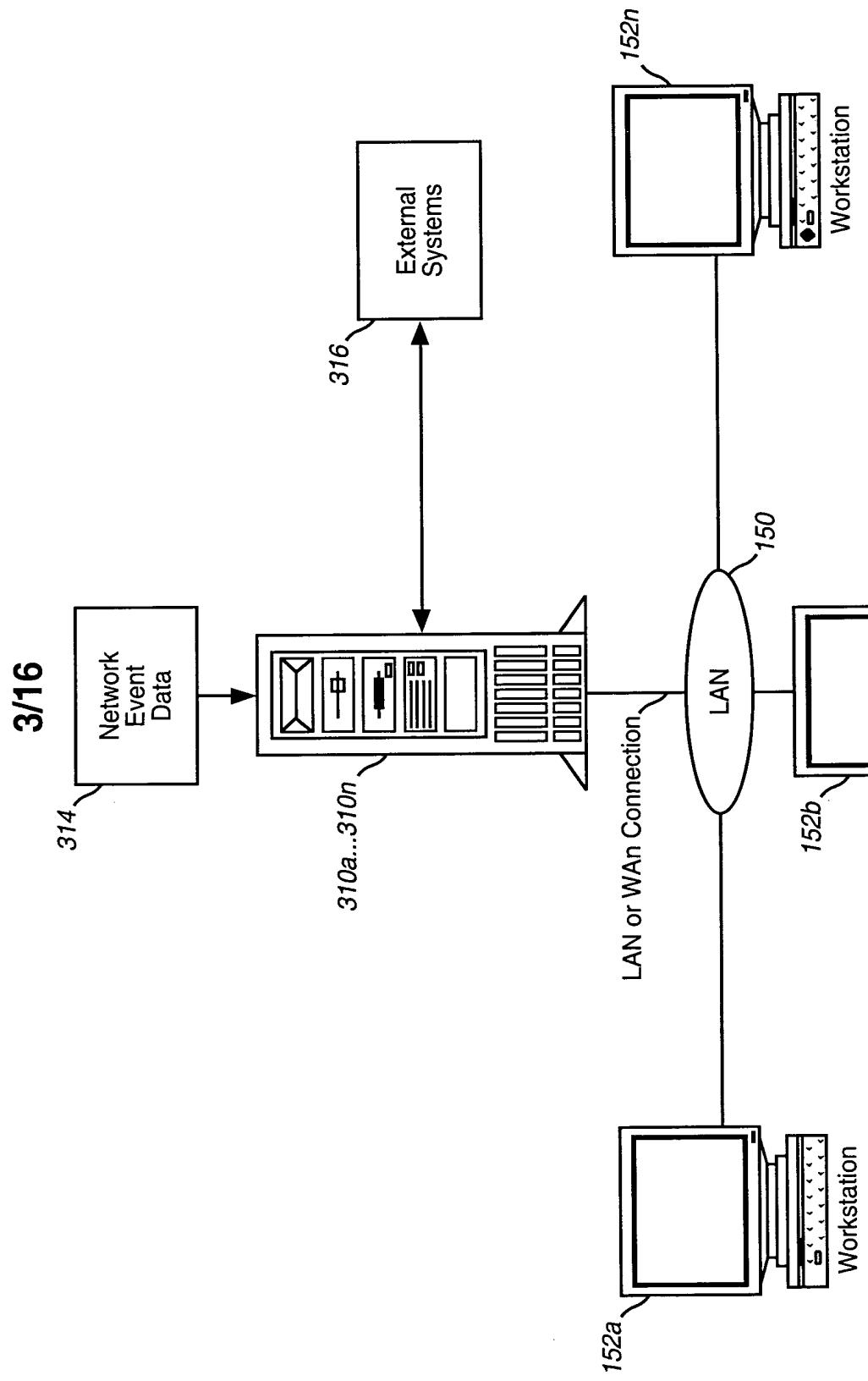
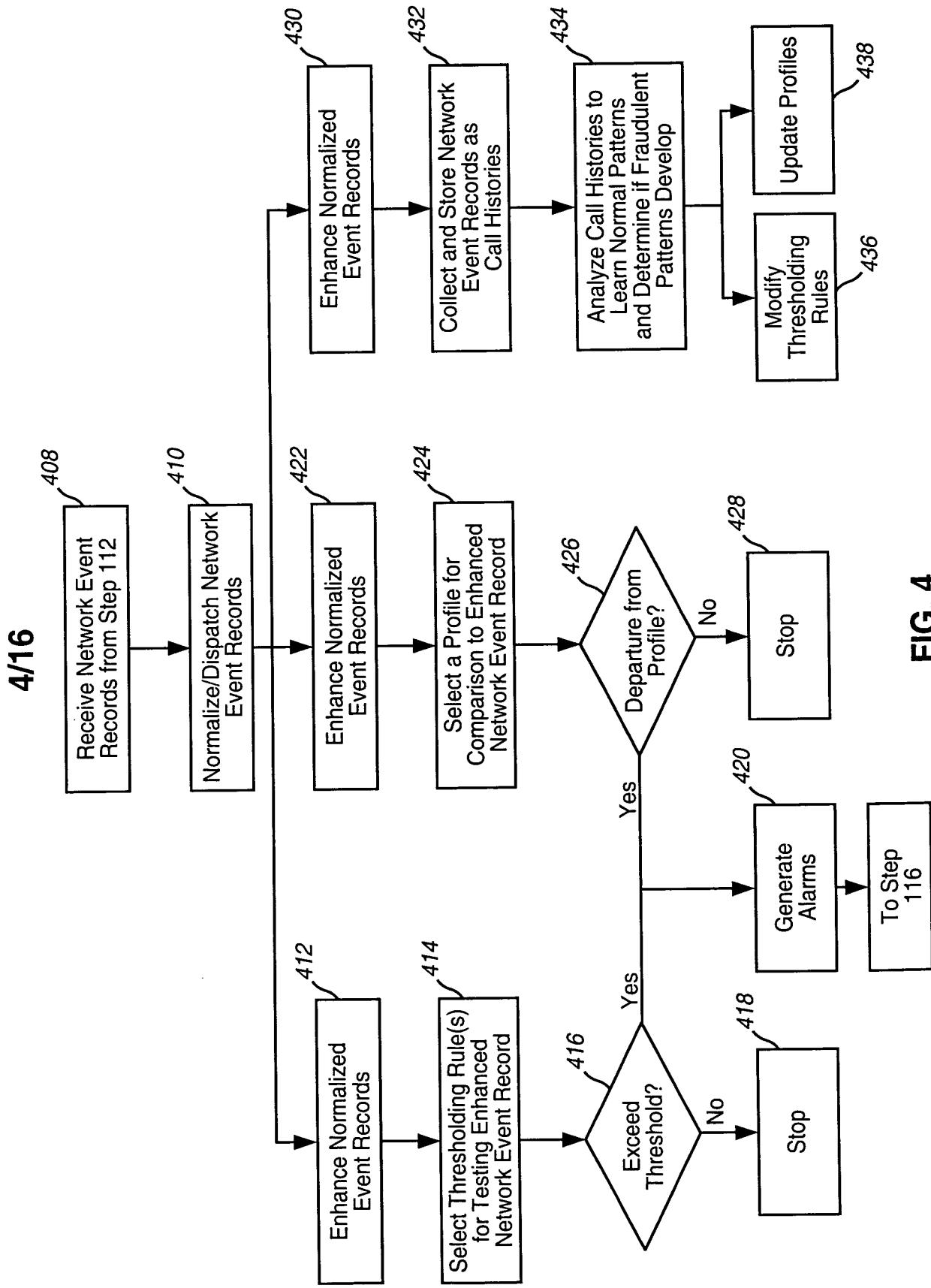


**FIG. 2**



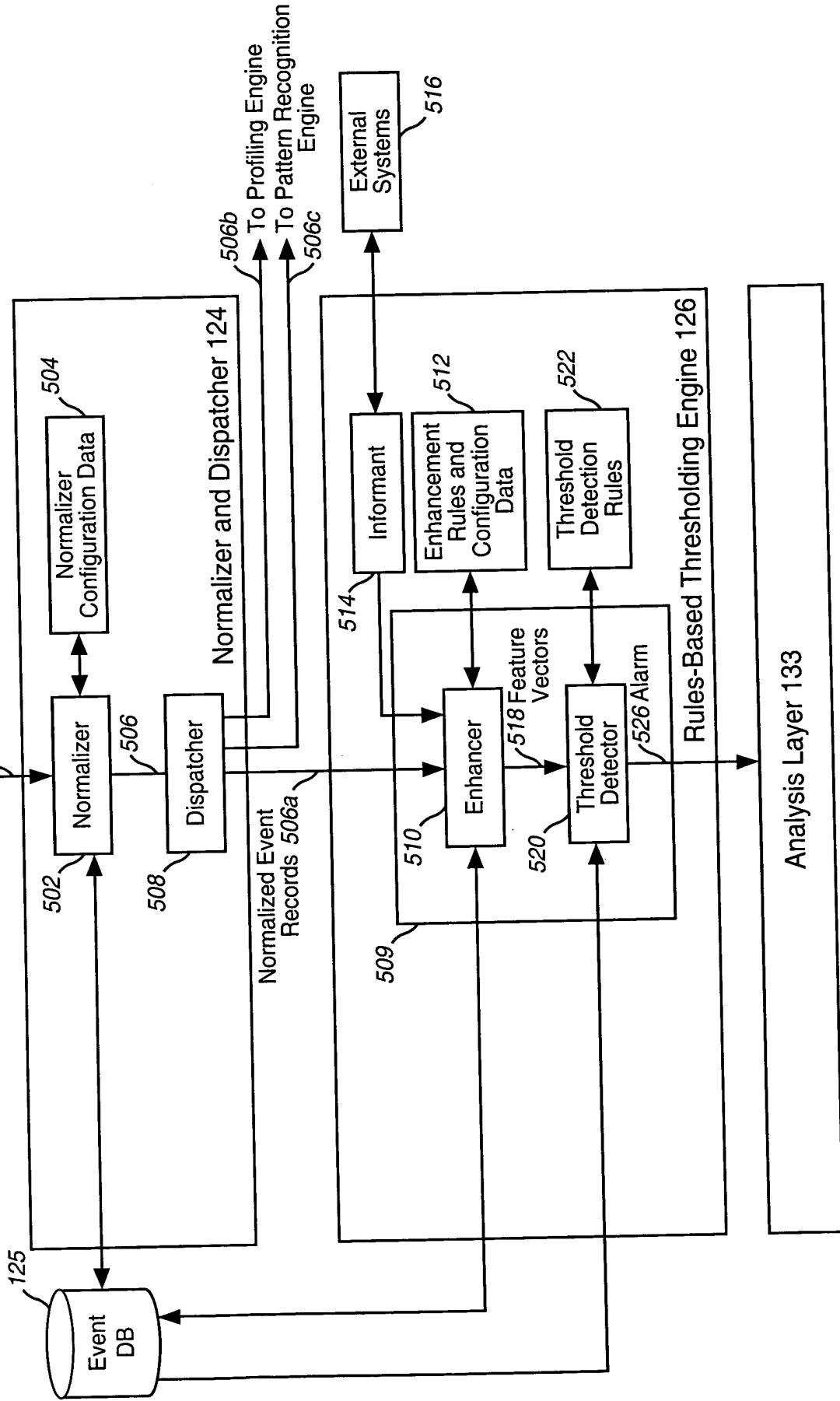
**FIG. 3**



**FIG. 4**

**5/16**

501 Network Event Records from Data Management Layer



**FIG. 5A**

6/16

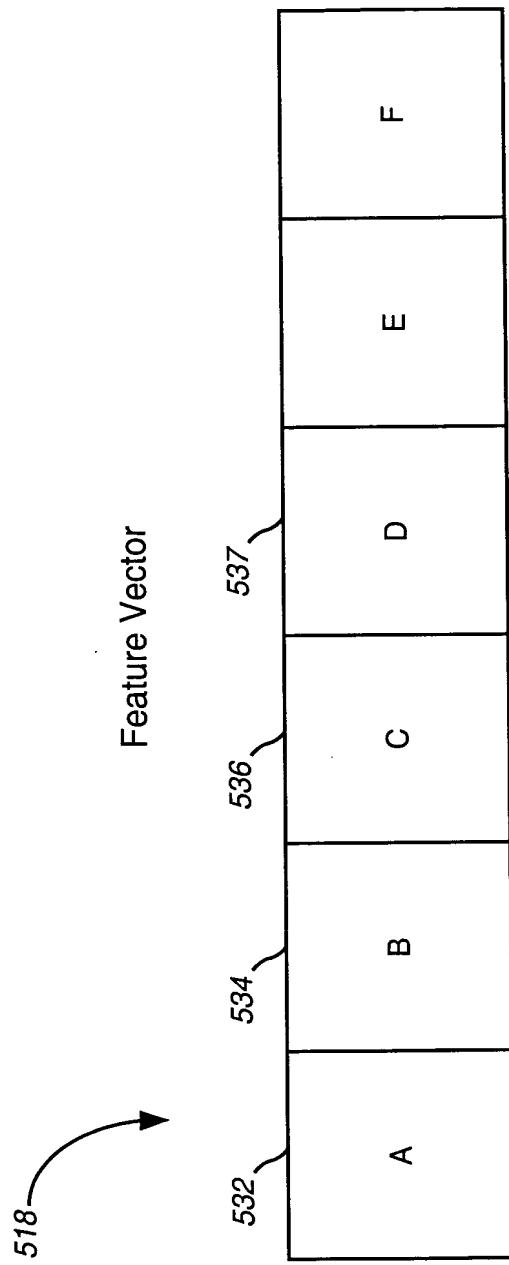


FIG. 5B

7/16

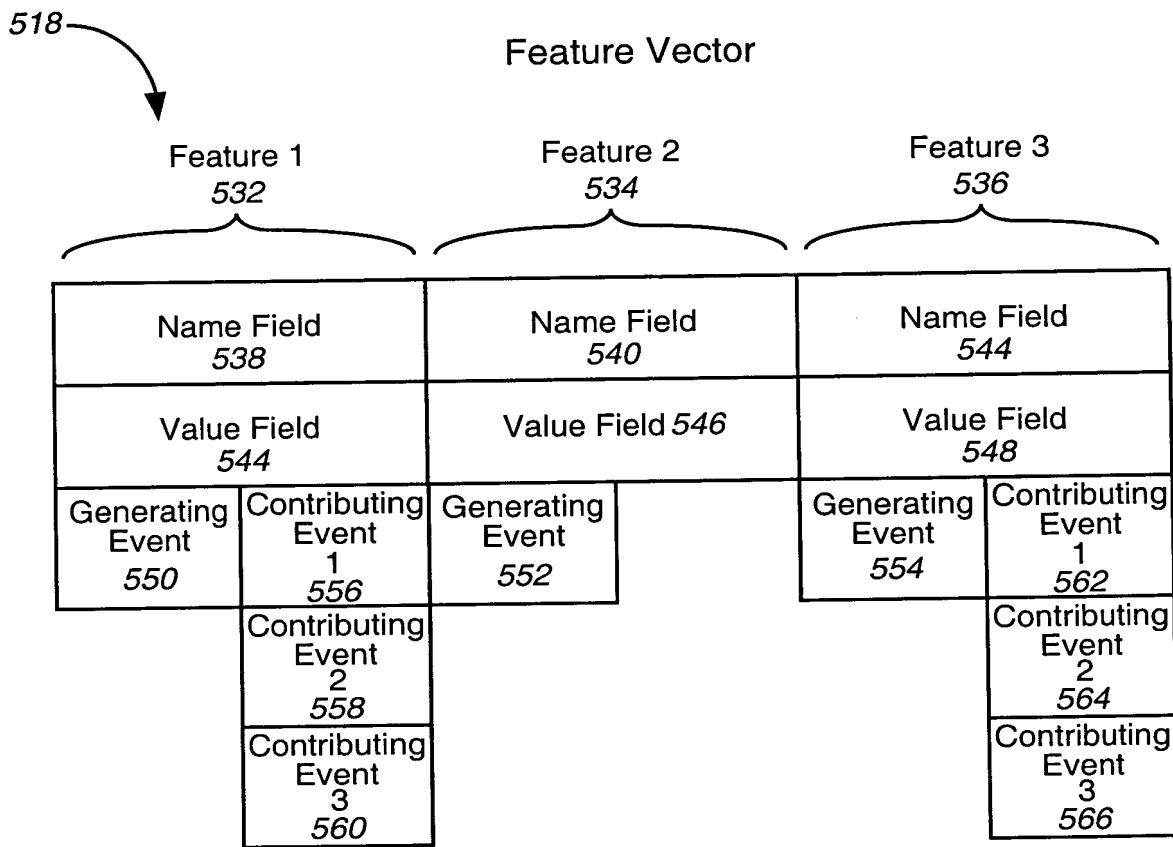
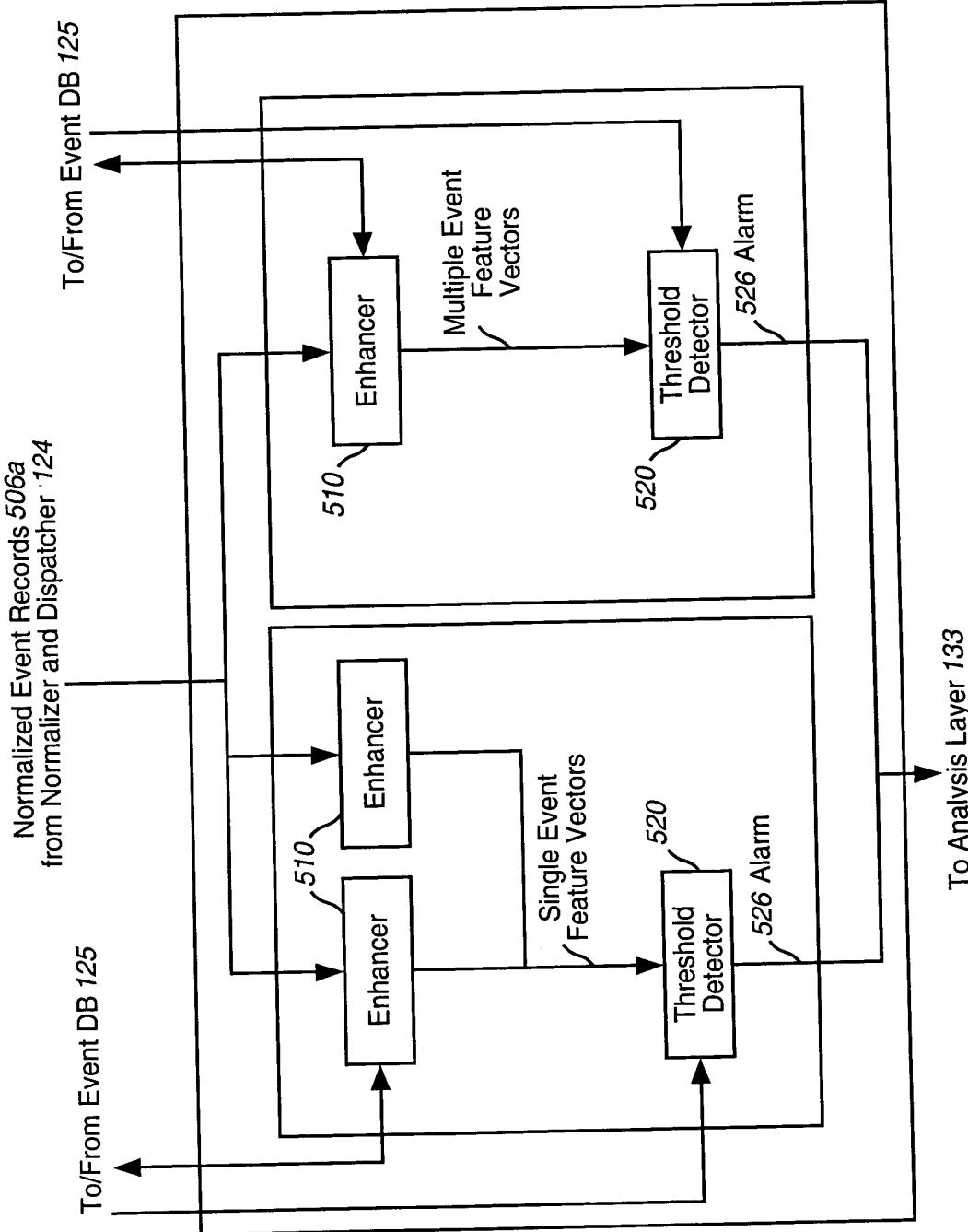


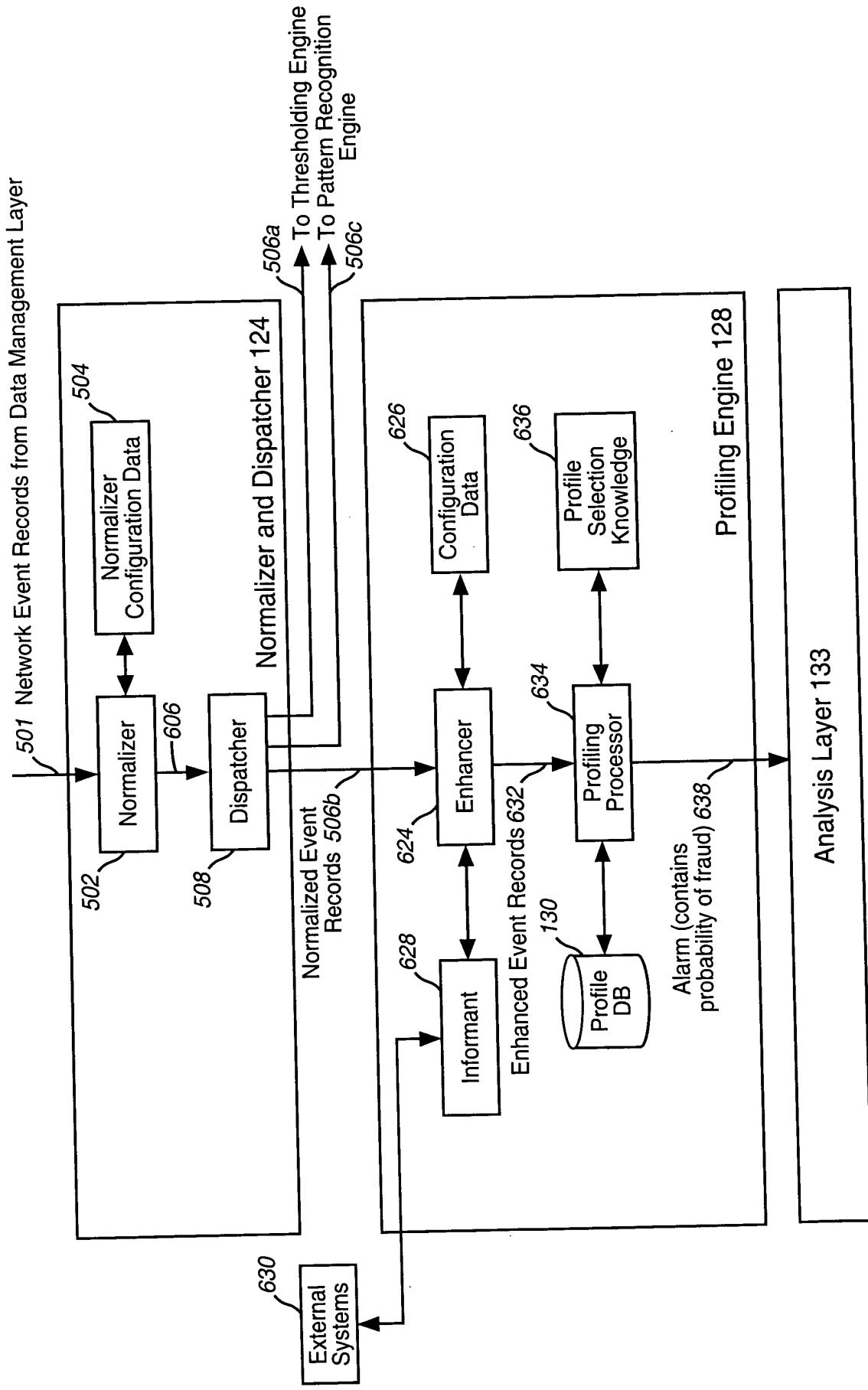
FIG. 5C

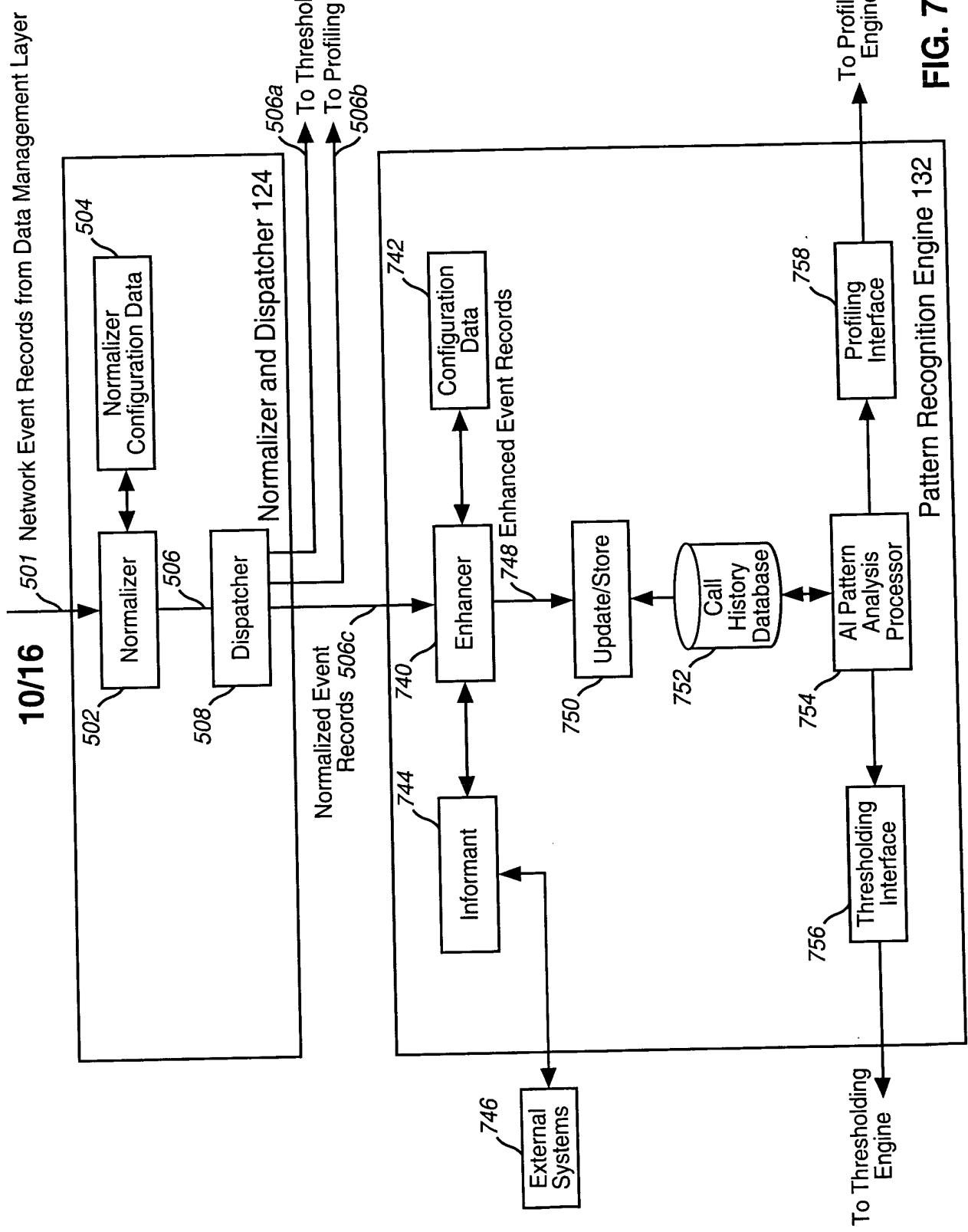
**8/16**



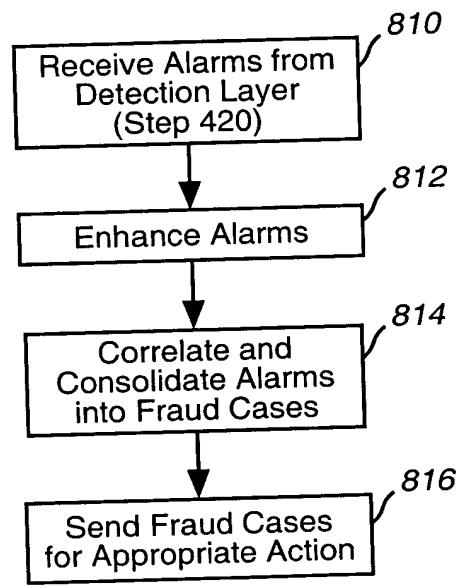
**FIG. 5D**

**9/16**





**FIG. 7**



Alarm Consolidation, Correlation and Reduction

**FIG. 8**

12/16

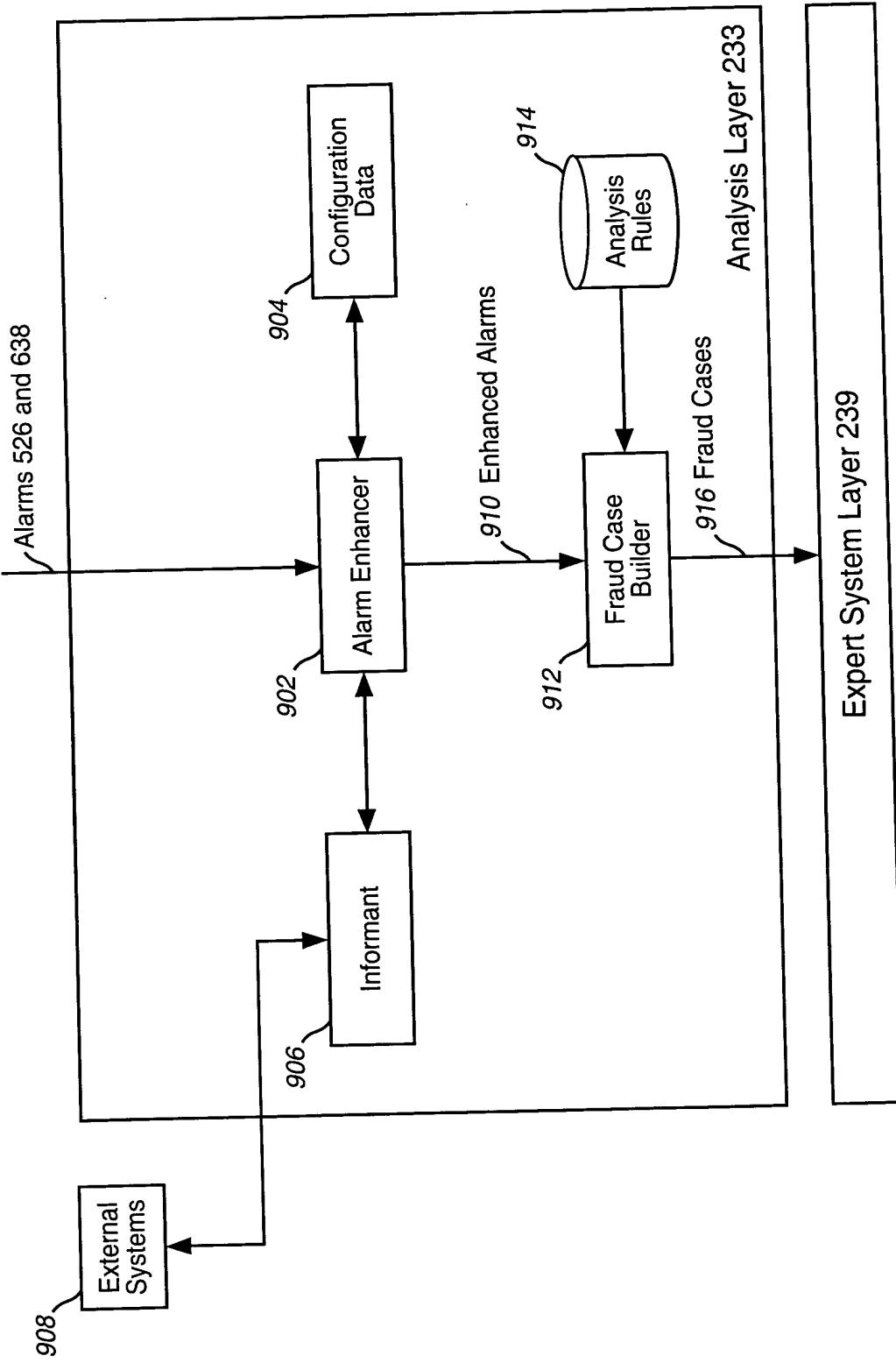
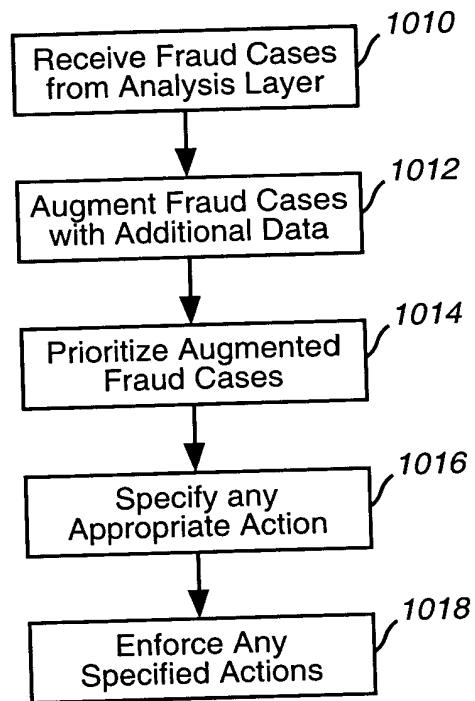


FIG. 9

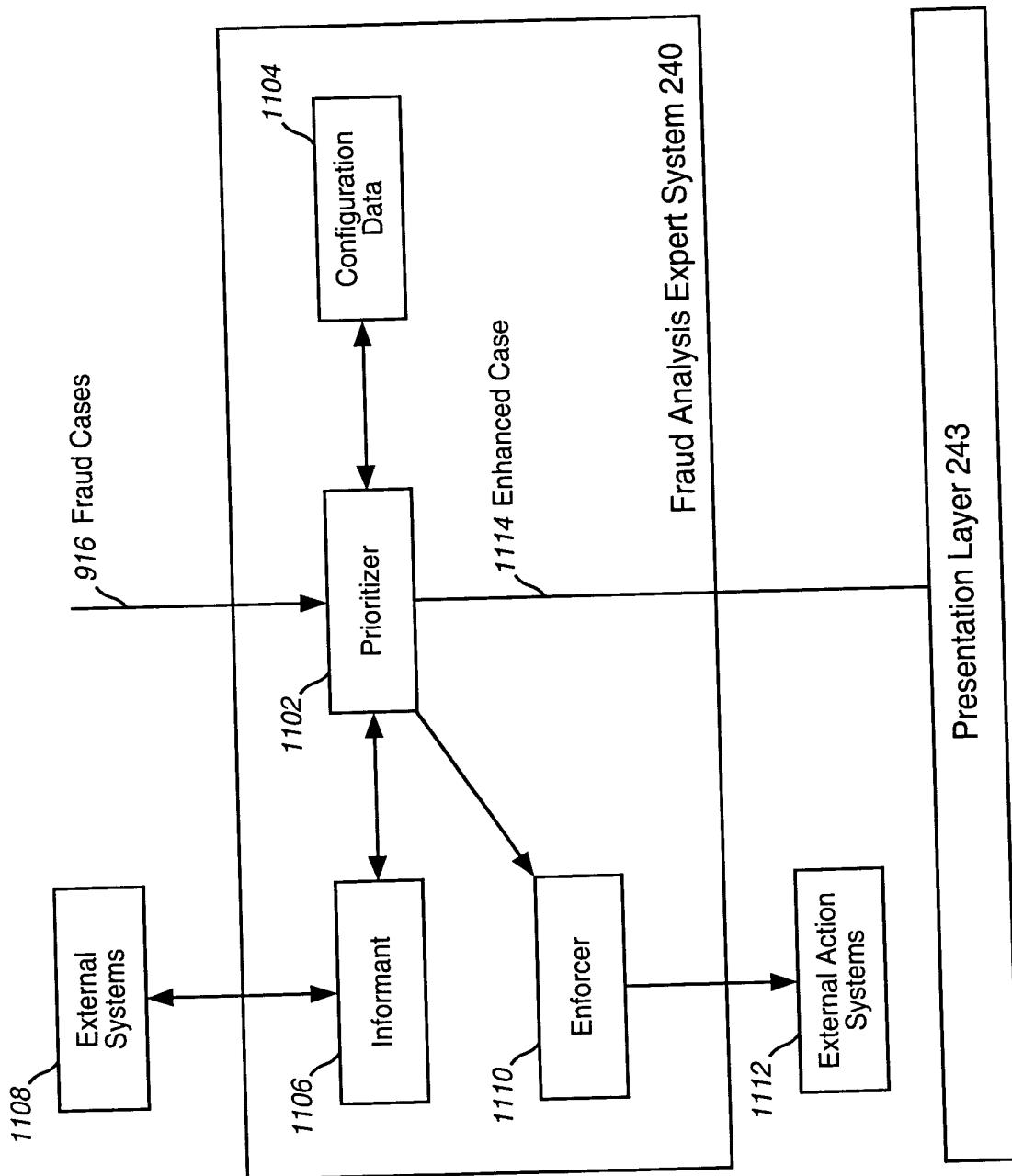
**13/16**



Fraud Case Processing in an Expert System Layer

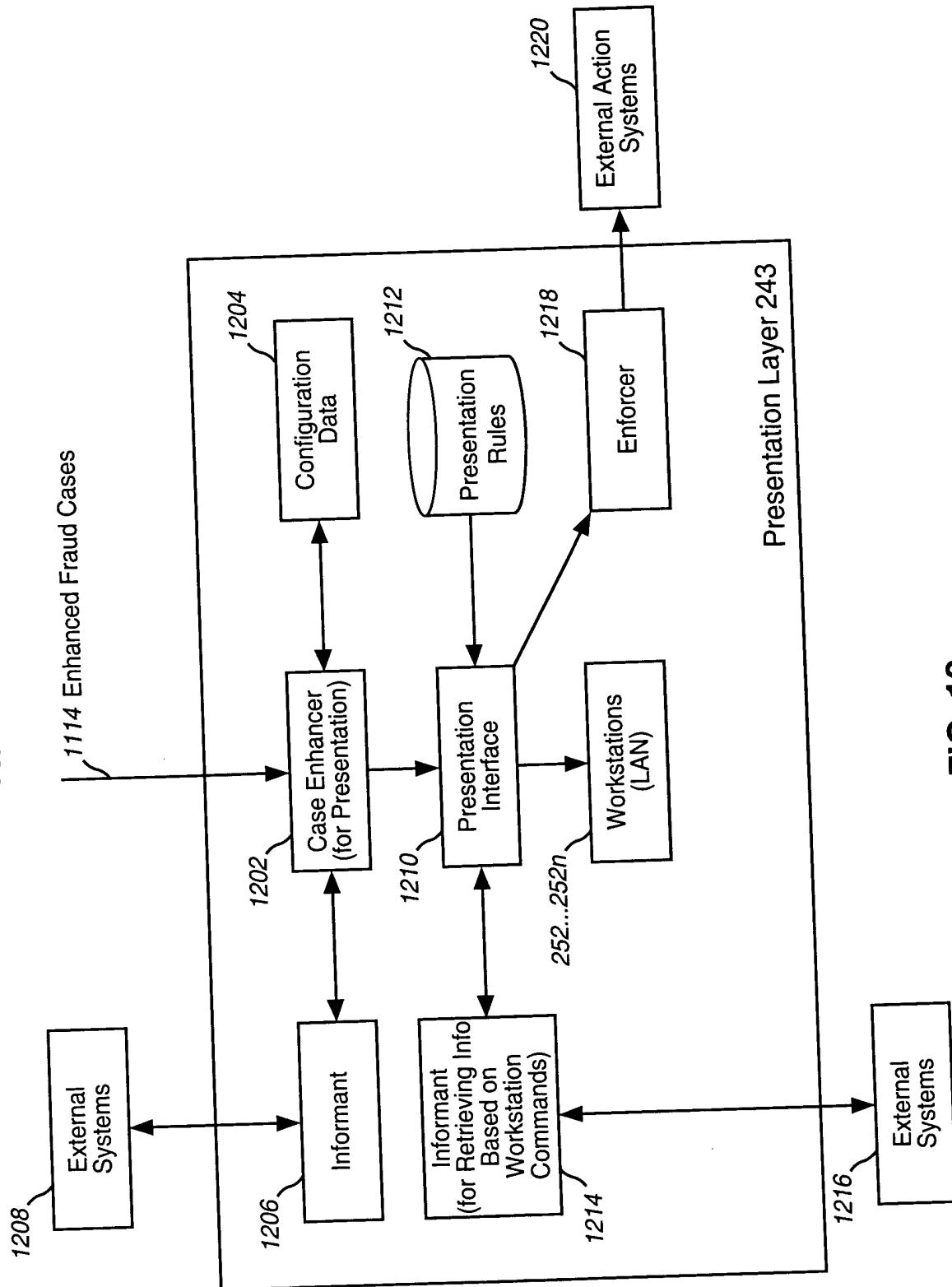
**FIG. 10**

**14/16**



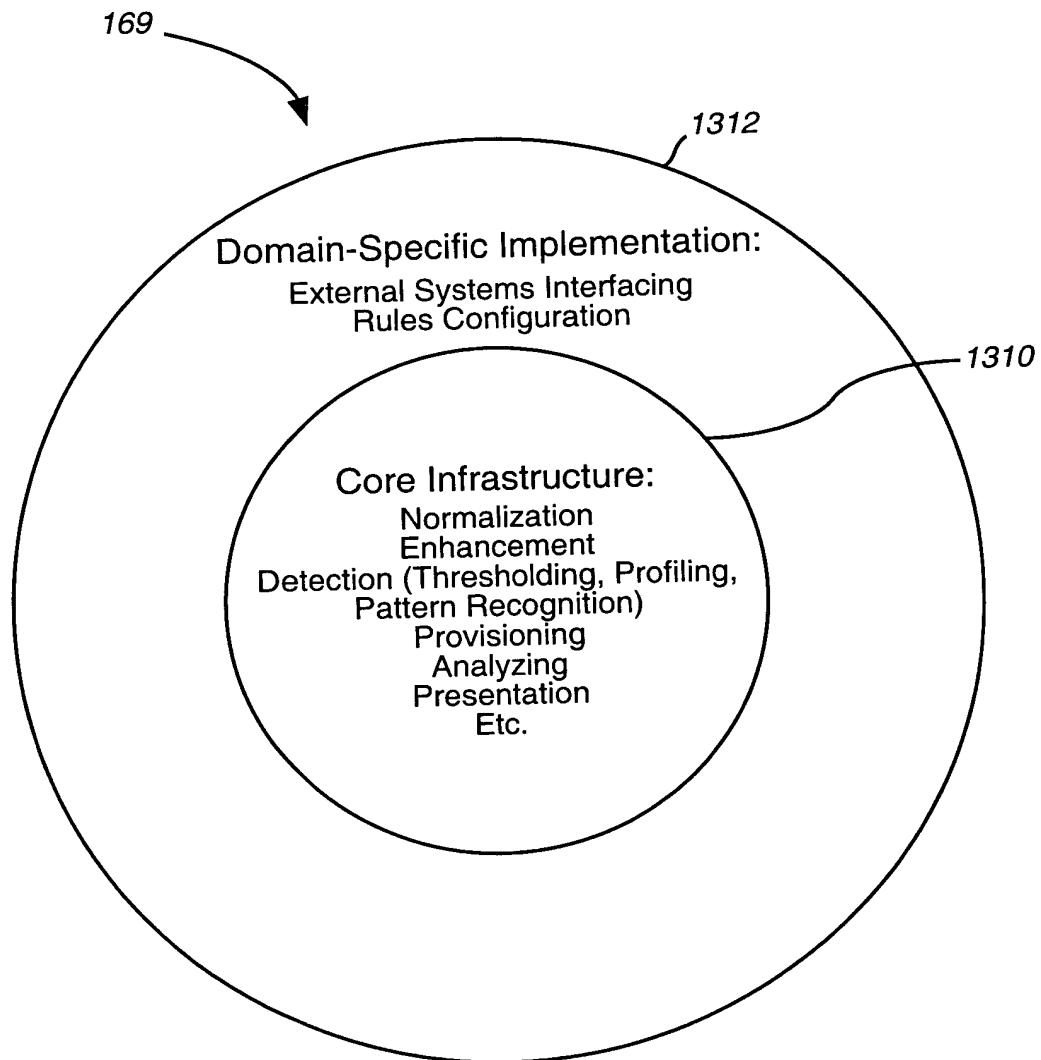
**FIG. 11**

**15/16**



**FIG. 12**

**16/16**



**FIG. 13**